

DECLARATION

INVENTORSHIP IDENTIFICATION

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

FREQUENCY SYNTHESIZER HAVING PLL WITH AN ANALOG PHASE DETECTOR

the specification of which is attached hereto.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

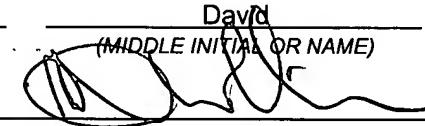
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above. I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

DECLARATION

I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

SIGNATURE(S)

Inventor(s)

Anthony (GIVEN NAME)	David (MIDDLE INITIAL OR NAME)	Williams FAMILY (OR LAST NAME)
Inventor's signature		
Date	13 November 2003	Country of Citizenship United Kingdom
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This declaration ends with this page.